Air Emissions

Web EHS*desk*™ provides a fully integrated suite of web-based software applications designed to support administrative, operational, and business process information management associated with Environment, Health, and Safety (EHS).
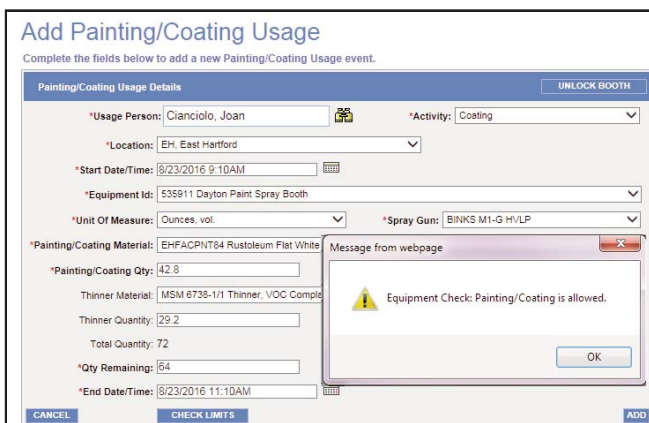
The **Air Emissions (AIR)** application is the overall umbrella for applications related to air emissions to help drive regulatory/permit compliance.The **Painting/Coating** application provides an emissions collection and reporting system for paint/coating/thinner usage at booths or other processes. The **Fuel Burning** application (coming soon) provides an emissions collection and reporting system for natural gas, diesel, and other fuels used at boilers or other fuel burning equipment. The **Stacks** application maintains an inventory of air emissions sources (stacks, vents, fugitive, etc.).

Features and Functionality

- Contains all necessary data for real time compliance across a multi-permitted facility

- Inventories available with allowable paint/thinner properties and allowable fuels

- Permit limits are factored in with exceedance notifications/rules

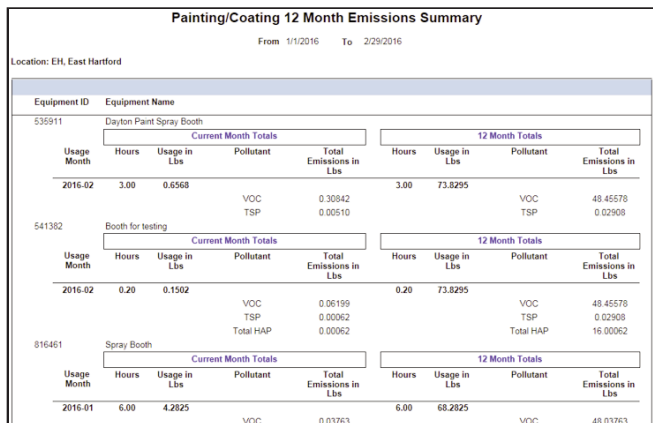- Configurable emissions factors are assigned per paint per paint booth and by allowable fuels

Benefits

- Enables real time visibility into emissions limits to ensure permit compliance on a daily basis

- Provides the ability to prevent or minimize exceeded permits directly at the operator level

- Provides instant notification via e-mail when limits have been exceeded

- Automates complex manual calculations to derive emissions

- Simplifies compliance reporting with predefined reports

Add Painting/Coating Usage Page

Painting/Coating 12-Month Emissions Summary Report

- Easy-to-use daily logs with optional paint thinner usage

- Automatic calculation of emissions by pollutant is saved for each painting/coating or fuel burning entry; administrators retain the ability to override entries

- Exceeded permit limits for the equipment or facility are tracked with e-mail notification to a configurable distribution list

- Paint booths and fuel burning equipment can be grouped together for limit purposes or assigned to a site limit

- Stacks can be related to equipment and control systems

E-mail/Reports

- Ad hoc reporting is available using a flexible search window with multiple filters and sorts; query results can be printed or saved to an Excel™ or Acrobat™ format

- Painting/Coating and Fuel Burning 12-Month Emissions Summary

- Painting/Coating Usage and Fuel Burning Usage with Emissions reports which can be e-mailed to supervisors weekly

- Notification e-mail sent to painting/coating and fuel burning equipment distribution lists if a limit is exceeded

- Inventory reports for stack/equipment/control systems data

EHSdesk
Expanding the Power of Information for EHS

Integration Points

- EHS*desk* **Admin**: select paint booths and fuel burning equipment from a distinct master list of company-wide equipment

- EHS*desk* **Material Tracker (MAT)**: designate materials as Painting/Coating or Fuel Burning

- EHS*desk* **Equipment Characterization (EC)**: assign paint and fuels used at the equipment and assign related stacks/control systems to equipment

Compliance

Facilitates compliance to local Air permits and ISO 14001

Facilitates compliance with 40 CFR 50 through 85 and 40 CFR 87 through 97

Process Flow

EHS*desk* Admin

Initial Setup
Establish Locations, users and user permission level

Application Setup
Load equipment, establish Value Lists

→

Painting/Coating or Fuel Burning Administrator

Add Spray Guns

Add Limit Sites/Groups

Set Up Painting/Coating or Fuel Burning Equipment
Identify Pollutants and Materials (paint, thinners, and fuels), Add Emission Factors, Identify Limits

→

Operator

Determine Equipment Status
Painting/Coating or Fuel Burning allowed/not allowed

Enter Usage

Check Limits

Confirm Exceedance
(as needed)

Painting/Coating or Fuel Burning Administrator

Modify Usage
(as needed)

Manage Exceedances
(as needed)

Stack Update

Add Stack

Identify Related Equipment

Identify Control Systems

EPSILON Systems Solutions, Inc.®